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         JUL 28
                 EPFULL enhanced with additional legal status
                 information from the epoline Register
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                 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
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         JUL 28 STN Viewer performance improved
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         AUG 01
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     7
         AUG 13 CA/CAplus enhanced with printed Chemical Abstracts
                 page images from 1967-1998
         AUG 15 CAOLD to be discontinued on December 31, 2008
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      9
         AUG 15 CAplus currency for Korean patents enhanced
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NEWS 10
         AUG 27
                 CAS definition of basic patents expanded to ensure
                 comprehensive access to substance and sequence
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NEWS 12 SEP 25 CA/Caplus current-awareness alert options enhanced
                 to accommodate supplemental CAS indexing of
                 exemplified prophetic substances
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         SEP 26 WPIDS, WPINDEX, and WPIX coverage of Chinese and
                 and Korean patents enhanced
NEWS 14 SEP 29
                 IFICLS enhanced with new super search field
NEWS 15 SEP 29 EMBASE and EMBAL enhanced with new search and
                 display fields
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         SEP 30 CAS patent coverage enhanced to include exemplified
                 prophetic substances identified in new Japanese-
                 language patents
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         OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 18
         OCT 07 Multiple databases enhanced for more flexible patent
                 number searching
         OCT 22 Current-awareness alert (SDI) setup and editing
NEWS 19
                 enhanced
                 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
NEWS 20
         OCT 22
                 Applications
NEWS 21 OCT 24
                 CHEMLIST enhanced with intermediate list of
                 pre-registered REACH substances
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
             AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS
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=> fil reg COST IN U.S. DOLLARS

FULL ESTIMATED COST

=>

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ENTRY SESSION
0.21 0.21

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http://www.cas.org/support/stngen/stndoc/properties.html

Uploading C:\Program Files\Stnexp\Queries\10591820 formula I A is N.str

chain nodes :  $2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 17 \quad 24 \quad 25 \quad 26 \quad 27 \quad 28 \quad 29 \quad 31 \quad 37 \quad 38 \quad 42 \quad 43 \quad 45$ ring nodes : 1 7 8 9 10 11 12 13 14 15 16 18 19 20 21 22 23 30 32 33 34 35 36 chain bonds :  $1-2 \quad 1-45 \quad 2-3 \quad 2-25 \quad 3-4 \quad 4-5 \quad 4-6 \quad 5-26 \quad 5-27 \quad 6-7 \quad 10-28 \quad 13-17 \quad 15-42 \quad 16-43$ 17-18 22-24 28-29 29-30 29-31 32-37 36-38 ring bonds :  $1 - 1\bar{3} \quad 1 - 16 \quad 7 - 8 \quad 7 - 12 \quad 8 - 9 \quad 9 - 10 \quad 10 - 11 \quad 11 - 12 \quad 13 - 14 \quad 14 - 15 \quad 15 - 16 \quad 18 - 19 \quad 18 - 23$ 19-20 20-21 21-22 22-23 30-32 30-36 32-33 33-34 34-35 35-36 exact/norm bonds :  $1 - 13 \quad 1 - 16 \quad 1 - 45 \quad 2 - 3 \quad 2 - 25 \quad 3 - 4 \quad 5 - 26 \quad 5 - 27 \quad 10 - 28 \quad 13 - 14 \quad 13 - 17 \quad 14 - 15 \quad 15 - 16$ 15-42 16-43 28-29 29-31 32-37 36-38 exact bonds : 1-2 4-5 4-6 6-7 17-18 22-24 29-30 normalized bonds :  $7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12 \quad 18-19 \quad 18-23 \quad 19-20 \quad 20-21 \quad 21-22 \quad 22-23 \quad 30-32$ 30-36 32-33 33-34 34-35 35-36

G1:X, MeO, EtO, n-PrO, i-PrO, CH3, CH2, CH, Et, n-Pr, i-Pr

G2:H,N

G3:H, CH3 Match level: 1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom 31:CLASS 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:CLASS 38:CLASS 42:CLASS 43:CLASS 45:CLASS L1STRUCTURE UPLOADED => d 11L1 HAS NO ANSWERS T.1 STR \* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \* Structure attributes must be viewed using STN Express query preparation. => s 11 sam SAMPLE SEARCH INITIATED 18:13:03 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED -11 TO ITERATE 100.0% PROCESSED 11 ITERATIONS 10 ANSWERS SEARCH TIME: 00.00.01 FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\* BATCH \*\*COMPLETE\*\* PROJECTED ITERATIONS: 22 TO 418

PROJECTED ANSWERS: 11 TO 389

L2. 10 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 18:13:10 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 127 TO ITERATE

100.0% PROCESSED 127 ITERATIONS 102 ANSWERS SEARCH TIME: 00.00.01

T.3 102 SEA SSS FUL L1

=> d scan

102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN T.3

L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3-methyl-1-ΙN piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

C35 H38 C12 N6 O6 S . C2 H F3 O2 MF

> CM 1

CM 2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil stng
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 178.36 178.57

FULL ESTIMATED COST

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=> fil reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.12 178.69

FULL ESTIMATED COST

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http://www.cas.org/support/stngen/stndoc/properties.html

=>

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```
chain nodes :
2 3 4 5 6
                      17 24 25 26 27
                                                      28
                                                            29
                                                                  31
                                                                       37 38 43
ring nodes :
1 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12 \quad 13 \quad 14 \quad 15 \quad 16 \quad 18 \quad 19 \quad 20 \quad 21 \quad 22 \quad 23 \quad 30 \quad 32 \quad 33 \quad 34 \quad 35
36
chain bonds :
1-2 \quad 1-43 \quad 2-3 \quad 2-25 \quad 3-4 \quad 4-5 \quad 4-6 \quad 5-26 \quad 5-27 \quad 6-7 \quad 10-28 \quad 13-17 \quad 17-18 \quad 22-24
28-29 29-30 29-31 32-37 36-38
ring bonds :
1-13 \quad 1-16 \quad 7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12 \quad 13-14 \quad 14-15 \quad 15-16 \quad 18-19 \quad 18-23
19-20 \quad 20-21 \quad 21-22 \quad 22-23 \quad 30-32 \quad 30-36 \quad 32-33 \quad 33-34 \quad 34-35 \quad 35-36
exact/norm bonds :
1-13 \quad 1-16 \quad 1-43 \quad 2-3 \quad 2-25 \quad 3-4 \quad 5-26 \quad 5-27 \quad 10-28 \quad 13-14 \quad 13-17 \quad 14-15 \quad 15-16
28-29 29-31 32-37 36-38
exact bonds :
```

1-2 4-5 4-6 6-7 17-18 22-24 29-30

normalized bonds :

G1:X, MeO, EtO, n-PrO, i-PrO, CH3, CH2, CH, Et, n-Pr, i-Pr

G2:H,N

G3:H, CH3

Match level:

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom 31:CLASS 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:CLASS 38:CLASS 43:CLASS

L4 STRUCTURE UPLOADED

=> s 14 sam subset=13

SAMPLE SUBSET SEARCH INITIATED 18:15:13 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE \*\*COMPLETE\*\*
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 11 TO 389
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 0 TO 0

L5 0 SEA SUB=L3 SSS SAM L4

=> s 14 full subset=13

FULL SUBSET SEARCH INITIATED 18:15:21 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 102 TO ITERATE

100.0% PROCESSED 102 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

L6 0 SEA SUB=L3 SSS FUL L4

=> d his

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FILE 'REGISTRY' ENTERED AT 18:12:36 ON 11 NOV 2008

L1 STRUCTURE UPLOADED

L2 10 S L1 SAM

L3 102 S L1 FULL

FILE 'STNGUIDE' ENTERED AT 18:13:28 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:14:27 ON 11 NOV 2008

L4 STRUCTURE UPLOADED

L5 0 S L4 SAM SUB=L3

L6 0 S L4 FULL SUB=L3

=> d scan 13

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl
ester (9CI)

MF C34 H34 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (3S)-1-[(3-cyanophenyl)sulfonyl]-3-[(1,1-dimethylethyl)amino]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, monosodium salt (9CI)
MF C31 H32 C12 N6 O6 S . Na

Absolute stereochemistry.

Na

## HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,5-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)

MF C34 H36 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(phenylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C35 H31 C12 N5 O6 S2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-(trimethylammonio)ethyl ester (9CI)

MF C37 H42 C12 F2 N7 O6 S

Absolute stereochemistry.

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-2(1H)isoquinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino](9CI)

MF C36 H38 C12 N6 O6 S

CI COM

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(1-piperidinyl)-L prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
 mono(trifluoroacetate) (9CI)

MF C32 H32 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C34 H36 C12 N6 O6 S
- CI COM

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,5-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C36 H40 C12 N6 O6 S

CI COM

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(phenylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)

MF C33 H27 C12 N5 O6 S2

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-(trimethylammonio)ethyl ester (9CI)
- MF C36 H40 C12 F2 N7 O6 S

Absolute stereochemistry.

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-2(1H)isoquinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
  mono(trifluoroacetate) (9CI)

MF C36 H38 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(2-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C33 H34 C12 N6 O6 S

CI COM

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil caplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
44.86
223.55

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FILE COVERS 1907 - 11 Nov 2008 VOL 149 ISS 20 FILE LAST UPDATED: 10 Nov 2008 (20081110/ED)

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FILE 'REGISTRY' ENTERED AT 18:12:36 ON 11 NOV 2008

L1 STRUCTURE UPLOADED

L2 10 S L1 SAM

L3 102 S L1 FULL

FILE 'STNGUIDE' ENTERED AT 18:13:28 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:14:27 ON 11 NOV 2008

L4 STRUCTURE UPLOADED

L5 0 S L4 SAM SUB=L3 L6 0 S L4 FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 18:18:15 ON 11 NOV 2008

=> s 13

L7 4 L3

=> d ti 1-4

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of prolyl peptide derivatives as VLA-4 antagonists

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of dipeptide derivatives as VLA-4 antagonists

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of prolylphenylalanine derivatives as VLA-4 antagonists

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of N-arylsulfonyl aza-bicyclic derivatives as potent cell adhesion inhibitors

=> s US20070179190/pn

L8 1 US20070179190/PN

=> d ti

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of prolylphenylalanine derivatives as VLA-4 antagonists

=> d ibib abs hitstr 17 4

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:23531 CAPLUS

DOCUMENT NUMBER: 138:90079

TITLE: Preparation of N-arylsulfonyl aza-bicyclic derivatives

as potent cell adhesion inhibitors

INVENTOR(S): Lin, Linus S.; Doherty, George; Shah, Shrenik K.;

Chang, Linda L.; Hagmann, William K.; Mumford, Richard

Α.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 31 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.		KIND	DATE		APPLICATION NO.		DATE	
						-		
US 200300	008861	A1	20030109	US	2002-96607		20020313	
US 685570	08	В2	20050215					
PRIORITY APPL	N. INFO.:			US	2001-277233P	P	20010320	
OBUIDD COUDOR /	a \	117 D D 7 M	100 00070					

OTHER SOURCE(S): MARPAT 138:90079

GΙ

AΒ Compds. I [R2 is an (un)substituted cycloalkyl or heterocyclyl ring; R1 = H, alkyl, arylalkyl; R2, R4 = halo, alkyl, alkoxy; R3 = H, OH, MeO, NH2; Z = N or N:O; Ar1 = (un)substituted Ph, pyridyl, pyridazinyl, pyrimidinyl, pyrazinyl, or triazinyl; Ar2 = 1,4-phenylene or 2,5-pyridylene; X, Y = (CH2)0-2; R5 = H, alkyl; R6, R7 = H, alkyl, OH, alkoxy, carboxy, amino, sulfonylamino, etc.] or their pharmaceutically-acceptable salts were prepared as antagonists of VLA-4 and/or  $\alpha 4/\beta 7$  and as such are useful in the inhibition or prevention of cell adhesion and cell-adhesion mediated pathologies. Thus, N-[N-(3,5dichlorobenzenesulfonyl)octahydroisoindole-1-carbonyl]-4-[(3,5dichloroisonicotinoyl)amino]-L-phenylalanine was prepared by coupling of N-(3,5-dichlorobenzenesulfonyl)octahydroisoindole-1-carboxylic acid chloride with 4-[(3,5-dichloroisonicotinoyl)amino]-L-phenylalanine tert-Bu ester (syntheses given), followed by separation of diastereomers and ester cleavage.

IT 483973-78-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-arylsulfonyl heteroaroyl amino acid derivs. as cell adhesion inhibitors)

RN 483973-78-0 CAPLUS

CN L-Phenylalanine, N-[[2-[(3-cyanophenyl)sulfonyl]octahydro-1H-isoindol-1-yl]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

2

=> d his

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FILE 'REGISTRY' ENTERED AT 18:12:36 ON 11 NOV 2008

L1STRUCTURE UPLOADED

L2 10 S L1 SAM

L3 102 S L1 FULL

FILE 'STNGUIDE' ENTERED AT 18:13:28 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:14:27 ON 11 NOV 2008

STRUCTURE UPLOADED L40 S L4 SAM SUB=L3 L5

0 S L4 FULL SUB=L3 L6

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T.7 4 S L3

L8 1 S US20070179190/PN

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DISCOUNT AMOUNTS (FOR OUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION
-0.80 -0.8

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=> s 13

L9 0 L3

=> fil stng

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ENTRY SESSION 0.00 -0.80 CA SUBSCRIBER PRICE

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=> fil req

SINCE FILE TOTAL ENTRY SESSION COST IN U.S. DOLLARS

FULL ESTIMATED COST 0.18 243.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE

ENTRY SESSION
0.00 -0.80

TOTAL.

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=> d scan 13

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclobutylamino)-Lprolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester,
monomethanesulfonate (9CI)

MF C33 H34 C12 N6 O6 S . C H4 O3 S

CM 1

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):102

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C32 H31 C12 N5 O7 S2

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-dimethyl-1piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
mono(trifluoroacetate) (9CI)

MF C34 H36 C12 N6 O6 S . C2 H F3 O2

CM 1

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3S)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)

MF C31 H29 C12 F N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3-methyl-1 piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
 mono(trifluoroacetate) (9CI)

MF C33 H34 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-azetidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C30 H26 C12 F2 N6 O6 S

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
- MF C32 H31 Cl2 N5 O6 S2

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-4-(2-azabicyclo[2.2.2]oct-2-yl)-1-[(3-cyanophenyl)sulfonyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
- MF C34 H34 C12 N6 O6 S
- CI COM

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(2R)-2-[(1,1-dimethylethoxy)carbonyl]-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C38 H42 C12 N6 O8 S

Absolute stereochemistry.

# \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
- MF C34 H36 C12 N6 O6 S
- CI COM

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(2S)-2-(trifluoromethyl)-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C34 H33 C12 F3 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(2-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)
- MF C33 H34 C12 N6 O6 S
- CI COM

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C34 H36 C12 N6 O6 S
- CI COM

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(phenylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C35 H31 C12 N5 O6 S2

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-1(2H)-quinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)
- MF C38 H42 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1 pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino] (9CI)

MF C31 H28 C12 F2 N6 O6 S

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

MF C35 H38 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C34 H34 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclobutylamino)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C31 H30 Cl2 N6 O6 S

CI COM

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (3S)-1-[(3-cyanophenyl)sulfonyl]-3-[(1,1-dimethylethyl)amino]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C33 H36 C12 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,1-dimethylethyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C33 H35 C12 N5 O6 S2

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C36 H40 C12 N6 O6 S
- CI COM

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3R)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C33 H33 C12 F N6 O6 S

- 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN L3
- L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3-methyl-1-ΙN piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C35 H38 C12 N6 O6 S
- CI COM

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-INpyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) C33 H32 Cl2 F2 N6 O6 S
- MF

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
- MF C32 H31 Cl2 N5 O7 S2

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-4-(2-azabicyclo[2.2.2]oct-2-yl)-1-[(3-cyanophenyl)sulfonyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)
- MF C34 H34 C12 N6 O6 S . C2 H F3 O2

CM 1

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine,  $(4R)-1-[(3-\text{cyanophenyl})\,\text{sulfonyl}]-4-[(2R)-2-[(1,1-\text{dimethylethoxy})\,\text{carbonyl}]-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-\text{dichloro}-4-pyridinyl)\,\text{carbonyl}]\,\text{amino}]- (9CI)$ 

MF C36 H38 C12 N6 O8 S

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)
- MF C34 H36 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

MF C32 H29 C12 F3 N6 O6 S

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(2-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)
- MF C33 H34 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester,

mono(trifluoroacetate) (9CI) MF  $\,$  C34 H36 C12 N6 O6 S  $\,$  C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(phenylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)

MF C33 H27 C12 N5 O6 S2

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-2(1H)isoquinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino](9CI)
- MF C36 H38 Cl2 N6 O6 S
- CI COM

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl
  ester (9CI)
- MF C34 H34 C12 F2 N6 O6 S

L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,5-dimethyl-1-ΙN piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C34 H36 C12 N6 O6 S

CI COM

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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INL-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-difluoro-1piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) C32 H30 C12 F2 N6 O6 S MF

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

IN L-Phenylalanine, (3S)-1-[(3-cyanophenyl)sulfonyl]-3-[(1,1-dimethylethyl)amino]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C31 H32 C12 N6 O6 S

CI COM

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclobutylamino)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, monomethanesulfonate (9CI)

MF C31 H30 C12 N6 O6 S . C H4 O3 S

CM 1

Absolute stereochemistry.

CM 2

MF C31 H31 C12 N5 O6 S2

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine,  $(4R)-1-[(3-\text{cyanophenyl})\,\text{sulfonyl}]-4-(4,4-\text{dimethyl}-1-\text{piperidinyl})-L-\text{prolyl}-4-[[(3,5-\text{dichloro}-4-\text{pyridinyl})\,\text{carbonyl}]\,\text{amino}]-,$  ethyl ester, mono(trifluoroacetate) (9CI)

MF C36 H40 C12 N6 O6 S . C2 H F3 O2

CM 1

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3R)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)

MF C31 H29 C12 F N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

MF  $\,$  C35 H38 C12 N6 O6 S . C2 H F3 O2  $\,$ 

CM 1

Absolute stereochemistry.

CM

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

MF C31 H28 C12 F2 N6 O6 S

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C34 H35 C12 N5 O7 S2

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-4-(2-azabicyclo[2.2.2]oct-2-yl)-1-[(3-cyanophenyl)sulfonyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (9CI)
- MF C35 H36 C12 N6 O6 S
- CI COM

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Phenylalanine, (4R)-4-[(2R)-2-carboxy-1-pyrrolidinyl]-1-[(3-cyanophenyl)sulfonyl]-L-prolyl-4-[[(3,5-dichloro-4-

pyridinyl)carbonyl]amino]- (9CI)

MF C32 H30 C12 N6 O8 S

## Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-dimethyl-1piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
  ethyl ester (9CI)
- MF C36 H40 C12 N6 O6 S
- CI COM

## Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[2-(trifluoromethyl)-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C34 H33 C12 F3 N6 O6 S

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(2-methyl-1piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
ethyl ester (9CI)

MF C35 H38 Cl2 N6 O6 S

CI COM

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,

ethyl ester (9CI) MF C34 H34 C12 F2 N6 O6 S

Absolute stereochemistry.

#### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,2-dimethylpropyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C32 H33 C12 N5 O6 S2

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-2(1H)-isoquinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)
- MF C36 H38 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,5-dimethyl-1piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
mono(trifluoroacetate) (9CI)

MF C34 H36 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-methoxyethyl ester (9CI)

MF C35 H36 C12 F2 N6 O7 S

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (3S)-1-[(3-cyanophenyl)sulfonyl]-3-[(1,1-dimethylethyl)amino]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)aminol- (2,2-dimethyl-1-ayappanyy)mothyl as
- pyridinyl)carbonyl]amino]-, (2,2-dimethyl-1-oxopropoxy)methyl ester (9CI) MF  $\,$  C37 H42 C12 N6 O8 S

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfonyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C32 H31 C12 N5 O8 S2

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-1(2H)-quinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C36 H38 C12 N6 O6 S

CI COM

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-fluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C34 H35 C12 F N6 O6 S

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)
- MF C33 H34 C12 N6 O6 S
- CI COM

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (9CI)
- MF C32 H30 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfonyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
- MF C32 H31 Cl2 N5 O8 S2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-4-(2-azabicyclo[2.2.2]oct-2-yl)-1-[(3-cyanophenyl)sulfonyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester, mono(trifluoroacetate) (9CI)
MF C35 H36 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
MF C34 H35 C12 N5 O6 S2

Absolute stereochemistry.

#### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

MF C36 H40 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

MF C32 H29 C12 F3 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(2-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

MF C35 H38 C12 N6 O6 S . C2 H F3 O2

CM 1

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C32 H30 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,2-dimethylpropyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
MF C34 H37 C12 N5 O6 S2

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-2(1H)-isoquinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C38 H42 C12 N6 O6 S
- CI COM

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(4,4-difluoro-1piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl
  ester (9CI)
- MF C34 H34 C12 F2 N6 O6 S

Absolute stereochemistry.

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,5-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C36 H40 C12 N6 O6 S
- CI COM

Absolute stereochemistry.

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-(trimethylammonio)ethyl ester (9CI)
- MF C37 H42 C12 F2 N7 O6 S

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)

MF C32 H32 C12 N6 O6 S

CI COM

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclohexylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
- MF C33 H33 C12 N5 O6 S2

Absolute stereochemistry.

- \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*
- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-1(2H)quinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
  mono(trifluoroacetate) (9CI)
- MF C36 H38 C12 N6 O6 S . C2 H F3 O2

CM 1

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-fluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
MF C32 H31 C12 F N6 O6 S

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)

MF C33 H34 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C33 H32 C12 F2 N6 O6 S

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfonyl)L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
  MF C34 H35 C12 N5 O8 S2

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclobutylamino)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C33 H34 C12 N6 O6 S
- CI COM

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C32 H31 C12 N5 O6 S2

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)

MF C34 H36 C12 N6 O6 S

CI COM

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3S)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)
- MF C33 H33 C12 F N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI)
- MF C33 H34 C12 N6 O6 S
- CI COM

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-azetidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C32 H30 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C34 H35 C12 N5 O6 S2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-2(1H)-isoquinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

MF C38 H42 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

Absolute stereochemistry.

NC 
$$\begin{array}{c} C1 \\ N \\ N \\ N \end{array}$$
  $\begin{array}{c} C1 \\ M \\ N \\ \end{array}$   $\begin{array}{c} N \\ N \\ \end{array}$   $\begin{array}{c} C1 \\ M \\ N \\ \end{array}$   $\begin{array}{c} N \\ N \\ \end{array}$   $\begin{array}{c} C1 \\ M \\ \end{array}$   $\begin{array}{c} N \\ N \\ \end{array}$   $\begin{array}{c} N \\ N \\ \end{array}$ 

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,5-dimethyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)

MF C36 H40 C12 N6 O6 S . C2 H F3 O2

CM 1

Absolute stereochemistry.

CM 2

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-(trimethylammonio)ethyl ester (9CI)

MF C36 H40 C12 F2 N7 O6 S

Absolute stereochemistry.

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, mono(trifluoroacetate) (9CI)

MF C32 H32 C12 N6 O6 S . C2 H F3 O2

CM 1

CM 2

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Phenylalanine, (3S)-1-[(3-cyanophenyl)sulfonyl]-3-[(1,1-dimethylethyl)amino]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, monosodium salt (9CI)
MF C31 H32 C12 N6 O6 S . Na

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclohexylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C35 H37 C12 N5 O6 S2

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(octahydro-1(2H)-quinolinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C38 H42 C12 N6 O6 S

CI COM

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1 pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-,
 ethyl ester (9CI)

MF C33 H32 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-methyl-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI)

MF C35 H38 C12 N6 O6 S

CI COM

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

MF C31 H28 C12 F2 N6 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 102 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Phenylalanine, N-[[2-[(3-cyanophenyl)sulfonyl]octahydro-1H-isoindol-1-yl]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-

MF C31 H29 C12 N5 O6 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

chain nodes : 2 3 4 5 6 17 24 25 26 27 28 29 31 37 38 42 43 ring nodes : 1 7 8 9 10 11 12 13 14 15 16 18 19 20 21 22 23 30 32 33 34 35 36 chain bonds :  $1-2 \quad 1-45 \quad 2-3 \quad 2-25 \quad 3-4 \quad 4-5 \quad 4-6 \quad 5-26 \quad 5-27 \quad 6-7 \quad 10-28 \quad 13-17 \quad 15-42 \quad 16-43$ 17-18 22-24 28-29 29-30 29-31 32-37 34-47 36-38 ring bonds :  $1-13 \quad 1-16 \quad 7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12 \quad 13-14 \quad 14-15 \quad 15-16 \quad 18-19 \quad 18-23$  $19-20 \quad 20-21 \quad 21-22 \quad 22-23 \quad 30-32 \quad 30-36 \quad 32-33 \quad 33-34 \quad 34-35 \quad 35-36$ exact/norm bonds : 1-13 1-16 1-45 2-3 2-25 3-4 5-26 5-27 10-28 13-14 13-17 14-15 15-16 15-42 16-43 28-29 29-31 32-37 34-47 36-38 exact bonds : 1-2 4-5 4-6 6-7 17-18 22-24 29-30 normalized bonds :  $7-8 \quad 7-12 \quad 8-9 \quad 9-10 \quad 10-11 \quad 11-12 \quad 18-19 \quad 18-23 \quad 19-20 \quad 20-21 \quad 21-22 \quad 22-23 \quad 30-32$ 30-36 32-33 33-34 34-35 35-36

G1:X,MeO,EtO,n-PrO,i-PrO,CH3,CH2,CH,Et,n-Pr,i-Pr

G2:H,N

G3:H, CH3 Match level: 1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom 31:CLASS 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:CLASS 38:CLASS 42:CLASS 43:CLASS 45:CLASS 47:CLASS L10 STRUCTURE UPLOADED => s 110 sam SAMPLE SEARCH INITIATED 18:23:53 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED -0 TO ITERATE 100.0% PROCESSED 0 ITERATIONS 0 ANSWERS SEARCH TIME: 00.00.01 FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\* BATCH \*\*COMPLETE\*\* 0 TO 0 0 TO 0 PROJECTED ITERATIONS: PROJECTED ANSWERS: L11 0 SEA SSS SAM L10 => s 110 full FULL SEARCH INITIATED 18:23:58 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE 0 ANSWERS 100.0% PROCESSED 0 ITERATIONS SEARCH TIME: 00.00.01 0 SEA SSS FUL L10 T.12 => d his

(FILE 'HOME' ENTERED AT 18:12:29 ON 11 NOV 2008)

FILE 'REGISTRY' ENTERED AT 18:12:36 ON 11 NOV 2008

L1 STRUCTURE UPLOADED

L2 10 S L1 SAM L3 102 S L1 FULL

FILE 'STNGUIDE' ENTERED AT 18:13:28 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:14:27 ON 11 NOV 2008

L4 STRUCTURE UPLOADED L5 0 S L4 SAM SUB=L3 L6 0 S L4 FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 18:18:15 ON 11 NOV 2008

L7 4 S L3

L8 1 S US20070179190/PN

FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 18:19:51 ON 11 NOV 2008 L9 0 S L3

FILE 'STNGUIDE' ENTERED AT 18:20:04 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:21:49 ON 11 NOV 2008

L10 STRUCTURE UPLOADED

L11 0 S L10 SAM L12 0 S L10 FULL

=> log h

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 179.74 423.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL
ENTRY SESSION

CA SUBSCRIBER PRICE

0.00 -0.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 18:24:06 ON 11 NOV 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTACXB1654

## PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \* \* \* SESSION RESUMED IN FILE 'REGISTRY' AT 18:39:30 ON 11 NOV 2008 FILE 'REGISTRY' ENTERED AT 18:39:30 ON 11 NOV 2008 COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION
179.74 423.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE TOTAL
ENTRY SESSION
0.00 -0.80

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(FILE 'HOME' ENTERED AT 18:12:29 ON 11 NOV 2008)

FILE 'REGISTRY' ENTERED AT 18:12:36 ON 11 NOV 2008

L1 STRUCTURE UPLOADED

L2 10 S L1 SAM L3 102 S L1 FULL

FILE 'STNGUIDE' ENTERED AT 18:13:28 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:14:27 ON 11 NOV 2008

L4 STRUCTURE UPLOADED

FILE 'CAPLUS' ENTERED AT 18:18:15 ON 11 NOV 2008

L7 4 S L3

L8 1 S US20070179190/PN

FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 18:19:51 ON 11 NOV 2008

L9 0 S L3

FILE 'STNGUIDE' ENTERED AT 18:20:04 ON 11 NOV 2008

FILE 'REGISTRY' ENTERED AT 18:21:49 ON 11 NOV 2008

L10 STRUCTURE UPLOADED

L11 0 S L10 SAM L12 0 S L10 FULL

=> fil caplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
179.74
423.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL
ENTRY SESSION

CA SUBSCRIBER PRICE

0.00 -0.80

FILE 'CAPLUS' ENTERED AT 18:39:45 ON 11 NOV 2008
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FILE COVERS 1907 - 11 Nov 2008 VOL 149 ISS 20 FILE LAST UPDATED: 10 Nov 2008 (20081110/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html
'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

=> d ti 17 1-4

- L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
- TI Preparation of prolyl peptide derivatives as VLA-4 antagonists
- L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
- TI Preparation of dipeptide derivatives as VLA-4 antagonists
- L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
- TI Preparation of prolylphenylalanine derivatives as VLA-4 antagonists
- L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
- TI Preparation of N-arylsulfonyl aza-bicyclic derivatives as potent cell adhesion inhibitors

=> d ibib abs hitstr 1-2 L12 HAS NO ANSWERS 'IBIB ABS HITSTR ' IS NOT A VALID STRUCTURE FORMAT KEYWORD ENTER STRUCTURE FORMAT (SIM), NOS:end

=> d ibib abs hitstr 17 1-2

ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:1123323 CAPLUS

DOCUMENT NUMBER: 145:455274

Preparation of prolyl peptide derivatives as VLA-4 TITLE:

antagonists

INVENTOR(S): Stock, Nicholas S.; Smith, Nicholas D.; Munoz, Benito

Merck & Co., Inc., USA PATENT ASSIGNEE(S): PCT Int. Appl., 29pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA.	PATENT NO.					KIND		DATE		APPLICATION NO.					DATE		
WO	2006113199			A1		20061026		WO 2006-US13254						20060410			
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		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DΖ	, EC,	EE,	EG,	ES,	FΙ,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS	, JP,	KΕ,	KG,	KM,	KN,	KP,	KR,
		KΖ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY	, MA,	MD,	MG,	MK,	MN,	MW,	MX,
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		SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR	TT,	TZ,	UA,	UG,	US,	UZ,	VC,
		VN,	YU,	ZA,	ZM,	ZW											
	RW:	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE	, ES,	FΙ,	FR,	GB,	GR,	HU,	IE,
		IS,	ΙΤ,	LT,	LU,	LV,	MC,	NL,	PL,	PΤ	, RO,	SE,	SI,	SK,	TR,	BF,	ВJ,
		CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML	, MR,	ΝE,	SN,	TD,	TG,	BW,	GH,
		GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ	, TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
		KG,	KΖ,	MD,	RU,	ΤJ,	TM										
AU	AU 2006236895			A1 20061026				AU 2006-236895						20060410			
CA	CA 2603835			A1 20061026				CA 2006-2603835						20060410			
EP	EP 1874757			A1 20080109			EP 2006-740788						20060410				
	R:	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE	, ES,	FΙ,	FR,	GB,	GR,	HU,	IE,
		IS,	IT,	LI,	LT,	LU,	LV,	MC,	NL,	PL	, PT,	RO,	SE,	SI,	SK,	TR	
JP	JP 2008536850				T		2008		JP 2008-506564				20060410				
IN	IN 2007CN04219			A		2007		IN 2007-CN4219				20070924					
CN	1011	5579	8		Α		2008	0402		CN	2006-	8001	1232		2	0071	800
RIORIT	ORITY APPLN. INFO.:								US	2005-	6713	52P		P 2	0050	414	
										WO	2006-	US13	254	1	W 2	0060	410
THER SO	HER SOURCE(S):				MAR	RPAT 145:455274											

OTHER SOURCE(S): MARPAT 145:455274

GΙ

The invention relates to 4(R or S)-thio, -sulfinyl and -sulfonyl proline derivs. I [n is 0 or 1; V, W are independently alkyl, halo, or alkoxy; X, Y are independently O or not present; Z is N or N:O; Rl is (un)substituted alkyl or aryl; R2, R3 are independently H, alkylsulfonyl, CN, CF3, OCF3, or halo; R4 is (un)substituted alkyl, alkenyl, alkynyl, or a cyclic groupl or their pharmaceutically-acceptable salts, which are antagonists of the VLA-4 integrin and are useful in the treatment, prevention and suppression of diseases mediated by VLA-4-binding and cell adhesion and activation. Compds. of the invention demonstrate significant receptor occupancy of VLA-4 bearing cells after oral administration and are suitable for once-, twice-, or thrice-a-day oral administration. Thus, (4R)-prolyl peptide I (n = 0; V = W = Cl; X = Y = null; Z = N; R = Et; R2 = H; R3 = 3-CN; R4 = cyclopentyl) was prepared by sequential S-alkylation, peptide coupling, sulfonylation, and saponification

sulfonylation, and saponification

913266-74-7P 913266-75-8P 913266-76-9P
913266-77-0P 913266-78-1P 913266-79-2P
913266-80-5P 913266-81-6P 913266-82-7P
913266-83-8P 913266-84-9P 913266-85-0P
913266-88-3P 913266-89-4P 913266-90-7P
913266-91-8P 913266-92-9P 913266-93-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thio-, sulfinyl-, or sulfonyl-substituted prolyl peptide derivs. as VLA-4 antagonists)

RN 913266-74-7 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 913266-75-8 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-76-9 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 913266-77-0 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,1-dimethylethyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-78-1 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,1-dimethylethyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

RN 913266-79-2 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfonyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-80-5 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclohexylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 913266-81-6 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclohexylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-82-7 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(phenylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 913266-83-8 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(phenylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-84-9 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,2-dimethylpropyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-85-0 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(1,2-dimethylpropyl)thio]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 913266-88-3 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-89-4 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylthio)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 913266-90-7 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-91-8 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 913266-92-9 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfonyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 913266-93-0 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(cyclopentylsulfonyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:196055 CAPLUS

DOCUMENT NUMBER: 144:254393

TITLE: Preparation of dipeptide derivatives as VLA-4

antagonists

INVENTOR(S): Chen, Weichao; Lesback, Alec, D.; Munoz, Benito;

Venkatraman, Shankar; Wang, Bowei

PATENT ASSIGNEE(S): Merck & Co., Inc., USA SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

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                          Α3
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OTHER SOURCE(S):
                        CASREACT 144:254393; MARPAT 144:254393
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GΙ

AB The invention relates to compds. I [A is N or N:0; X, Y are halo, alkyl or alkoxy; R1 is H or (un)substituted alkyl; R2 is H or Me; one of R3 and R4 is H and the other is 4-8 membered cyclic amine which is substituted by F, CF3, CO2H or ester; R5, R6 are independently H, alkylsulfonyl, CN, CF3, OCF3 or halo] or their pharmaceutically acceptable salts which are antagonists of VLA-4 and as such are useful in the inhibition or prevention of cell adhesion and cell-adhesion mediated pathologies such as inflammatory bowel disease. Thus, prolylphenylalanine derivative I (A = N; X, Y = C1; R1 = Et; R2, R3, R5 = H; R4 = (R)-3,3-difluoropiperidino; R6 = 3-CN) was prepared by a multistep sequence involving reactions of 4-nitro-L-phenylalanine, 3,5-dichloroisonicotinic acid, cis-4-hydroxy-L-proline Me ester, 3-cyano-1-benzenesulfonyl chloride and 3,3-difluoropiperidine hydrochloride. Compds. of the invention demonstrated sustained and significant VLA-4 receptor occupancy (>50%)

after oral dosing. ΙT 877406-25-2P 877406-26-3P 877406-27-4P 877406-29-6P 877406-30-9P 877406-32-1P 877406-43-4P 877406-45-6P 877406-47-8P 877406-49-0P 877406-51-4P 877406-53-6P 877406-55-8P 877406-57-0P 877406-58-1P RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of dipeptide derivs. as VLA-4 antagonists) RN 877406-25-2 CAPLUS CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-26-3 CAPLUS
CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-27-4 CAPLUS
CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-azetidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 877406-29-6 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-30-9 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

RN 877406-32-1 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-43-4 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[2-(trifluoromethyl)-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 877406-45-6 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3S)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-47-8 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3R)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 877406-49-0 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-fluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-51-4 CAPLUS

CN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 877406-53-6 CAPLUS

CN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1-piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-55-8 CAPLUS

CN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(4,4-difluoro-1-piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 877406-57-0 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(2R)-2-[(1,1-dimethylethoxy)carbonyl]-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-58-1 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(2R)-2-[(1,1-dimethylethoxy)carbonyl]-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

ΙT 877406-28-5P 877406-31-0P 877406-33-2P 877406-34-3P 877406-35-4P 877406-36-5P 877406-37-6P 877406-38-7P 877406-41-2P 877406-42-3P 877406-44-5P 877406-46-7P 877406-48-9P 877406-50-3P 877406-52-5P 877406-54-7P 877406-56-9P 877406-59-2P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of dipeptide derivs. as VLA-4 antagonists) RN877406-28-5 CAPLUS CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1azetidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-31-0 CAPLUS
CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-33-2 CAPLUS

CN L-Phenylalanine, (4S)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-34-3 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

RN 877406-35-4 CAPLUS
CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4,4-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-36-5 CAPLUS
CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)

RN 877406-37-6 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-(trimethylammonio)ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-38-7 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, 2-(trimethylammonio)ethyl ester (9CI) (CA INDEX NAME)

RN 877406-41-2 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(2S)-2-(trifluoromethyl)-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-42-3 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(2S)-2-(trifluoromethyl)-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 877406-44-5 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[2-(trifluoromethyl)-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-46-7 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3S)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

RN 877406-48-9 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-[(3R)-3-fluoro-1-pyrrolidinyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-50-3 CAPLUS

CN L-Phenylalanine, (4R)-1-[(3-cyanophenyl)sulfonyl]-4-(4-fluoro-1-piperidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 877406-52-5 CAPLUS

CN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1-pyrrolidinyl)-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-54-7 CAPLUS

CN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(3,3-difluoro-1-piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

RN 877406-56-9 CAPLUS

CN L-Phenylalanine, 1-[(3-cyanophenyl)sulfonyl]-3-(4,4-difluoro-1-piperidinyl)prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 877406-59-2 CAPLUS

CN L-Phenylalanine, (4R)-4-[(2R)-2-carboxy-1-pyrrolidinyl]-1-[(3-cyanophenyl)sulfonyl]-L-prolyl-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

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